

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A process for preparing $C(O)F_2$ which comprises photooxidizing a reaction mixture comprising $CHClF_2$ or CHF_3 with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and wherein 0.05 to 0.20 mol of elemental chlorine is present per mole of $CHClF_2$ or CHF_3 .
2. (Previously presented) The process according to Claim 1, wherein the irradiation is undertaken in the absence of chlorine and the incident light have wavelengths including < 280 nm, or in that the irradiation is undertaken in the presence of elemental chlorine with light of a wavelength of ≥ 280 nm, in which case not more than 0.50 mol of elemental chlorine is present in the reaction mixture per mole of $CHClF_2$ or CHF_3 .
3. (Cancelled)
4. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 20 to 300°C.
5. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a pressure of 1 to 11 bar (abs.).
6. (Previously presented) The process according to Claim 1, wherein the reactants are present in gaseous form.
7. (Previously presented) The process according to Claim 1, wherein the reaction is carried out continuously.
8. (Previously presented) The process according to Claim 7, wherein the average residence time in the reactor is between 0.1 and 3 minutes.
9. (Previously presented) The process according to Claim 1, wherein $CHClF_2$ is used as the starting compound.
10. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 30 to 300°C.

11. (Previously presented) The process according to Claim 1, wherein the irradiation is carried out at a temperature of 50 to 90°C.

12.-22 (Cancelled)

23. (Currently Amended) A process for preparing $\text{C}(\text{O})\text{F}_2$ which comprises photooxidizing a reaction mixture comprising CHClF_2 or CHF_3 with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and a ratio of CHClF_2 or CHF_3 to oxygen content is 1: 0.4 to at most 1:1.

24. (Previously presented) The process as claimed in claim 1, wherein if CHClF_2 is used, the content in the reaction mixture of CHClF_2 is at least 5 mol%.

25. (Previously presented) The process as claimed in claim 23, wherein if CHClF_2 is used, the content in the reaction mixture of CHClF_2 is at least 10 mol%.

26. (Previously presented) The process according to Claim 23, wherein 0.05 to 0.20 mol of elemental chlorine is present per mole of CHClF_2 or CHF_3 .

27. (Currently Amended) The process as claimed in claim 1, wherein the ratio of CHClF_2 or CHF_3 to oxygen is from ~~1:0.04 to 1:1~~ 1:0.4 to 1:1.

28. (New) A process for preparing $\text{C}(\text{O})\text{F}_2$ which comprises photooxidizing a reaction mixture comprising CHClF_2 or CHF_3 with oxygen and wherein at least some of the radiation is in the range from 280 nm to about 750 nm and wherein 0.01 to 0.50 mol of elemental chlorine is present per mole of CHClF_2 or CHF_3 .